Installing SQL Server 2008 R2 Express Edition

1. Prerequisites for SQL Server 2008 R2 Express Edition
   a) .NET Framework 3.5 SP1
   b) Windows installer 4.5
   c) Windows PowerShell 1.0

2. Double click SQL Server 2008 R2 Express Edition Executable to Launch the SQL Server Installation Center.

3. Click on "New installation or add features to an existing installation"

4. In the Setup Support Files screen, click on Install button to install Setup Support Files for SQL Server
    2008 R2 Express Edition.

5. In the Installation Type screen, select New installation or add shared features option to install a new instance of SQL Server 2008 R2 Express Edition.
    Click Next to continue with the installation.

6. In the License Terms screen, read the license agreement and then select the check box at the bottom of the screen to accept the licensing terms and conditions of the product.
    Click Next to continue with the installation.

7. In the Feature Selection Screen, select
     a)Database Engine Services and
       b)Management Tools-Basic
    click Next.

8. In the Instance Configuration screen, set Named Instance to "SQLExpress" and click next.

9.In the Server Configuration screen, configure the
   a) SQL Server Database Engine's
     i) Account Name- NT Authority\Network Service
     ii) StartUp Type -Automatic
   b)SQL Server Browser's
     i) Account Name- NT Autority\Local Service
     ii) Startup Type- Automatic

10.In the Database Engine Configuration screen,
    a) set Authentication Mode to Windows authentication mode.
    b) In Specify SQL Server Administrators click
     i) "Add current USer" tab
       ii) "ADD" tab
              1) In "Enter the Object names to select" textbox- type Administrators and click "Check Names"
            select the System Administrator and click Ok
    then click next

11. In Error Reporting screen, set the checkbox to send error reports
and click next

12. In the Complete screen, the location of the SQL Server 2008 R2
Express Edition Installation Summary log is provided.
     Finally, click Close button to complete the SQL Server 2008 R2
Express Edition installation.

13. Open MS SQL Server 2008 -> SQL Server Management Studio witht the
follwoing settings:
     Server Type: Database Engine
     Server Name: "ServerName"\SQLExpress
     Authentication: Windows Authentication
     click Connect

14. From the Toolbar, select the New Query tab and create the database
using the follwing script:

     CREATE DATABASE DatabaseName

     Note: After each operation click Execute tab on the toolbar to run
the script

15. Create tables using the follwing script:

   USE DatabaaseName
   CREATE TABLE TableName(
   COLUMN1 datattype NOT NULL,
   COLUMN2 datatype,
   PRIMARY KEY (Column1)
)

16. To Insert data into the Table use the following script:

a) only in the specified columns
   INSERT INTO table_name (column1, column2, column3,...)
   VALUES (value1, value2, value3,...)

b) all columns
   INSERT INTO table_name
   VALUES (value1, value2, value3,...)

17. To Retrieve/View the contents of the Table use the following script:

  a) to view all columns
     SELECT * FROM table_name

  b) to veiw specified columns
     SELECT column_name(s)
     FROM table_name

  c) to view columns based on criteria

```
SELECT column_name(s)
FROM table_name WHERE Criteria
```

18. To update the Table use the following script:
```
UPDATE table_name
SET column1=value, column2=value2,...
WHERE some_column=some_value
```

19. To Delete the contents of the Table use the following script:

   a) specified rows
```
DELETE FROM table_name
WHERE some_column=some_value
```

 b) delete all rows
```
Use Database
DELETE FROM table_name
or
DELETE * FROM table_name
```

20. To DROP Table/Database use the following script:

```
Use Database
DROP TABLE table_name
```

```
Use Database
DROP DATABASE database_name
```